

Conservation of Biological Diversity in the Caribbeans

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Why amphibians?

- Amphibians comprises three orders, i.e., frogs, salamanders and caecilians
- On Caribbean islands, only frogs are found.
- Frogs are indicators of both land and water environments.



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CUCUJUS CINNABERINUS
Cucujus cinnaberinus

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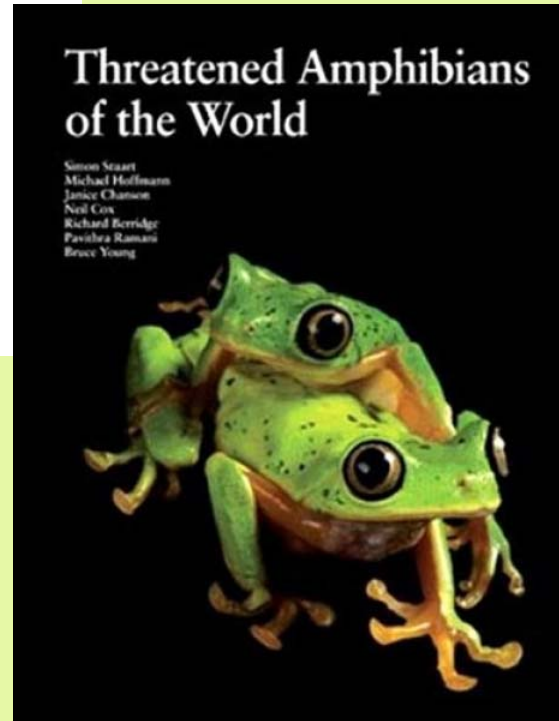
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Threatened Amphibians of the World

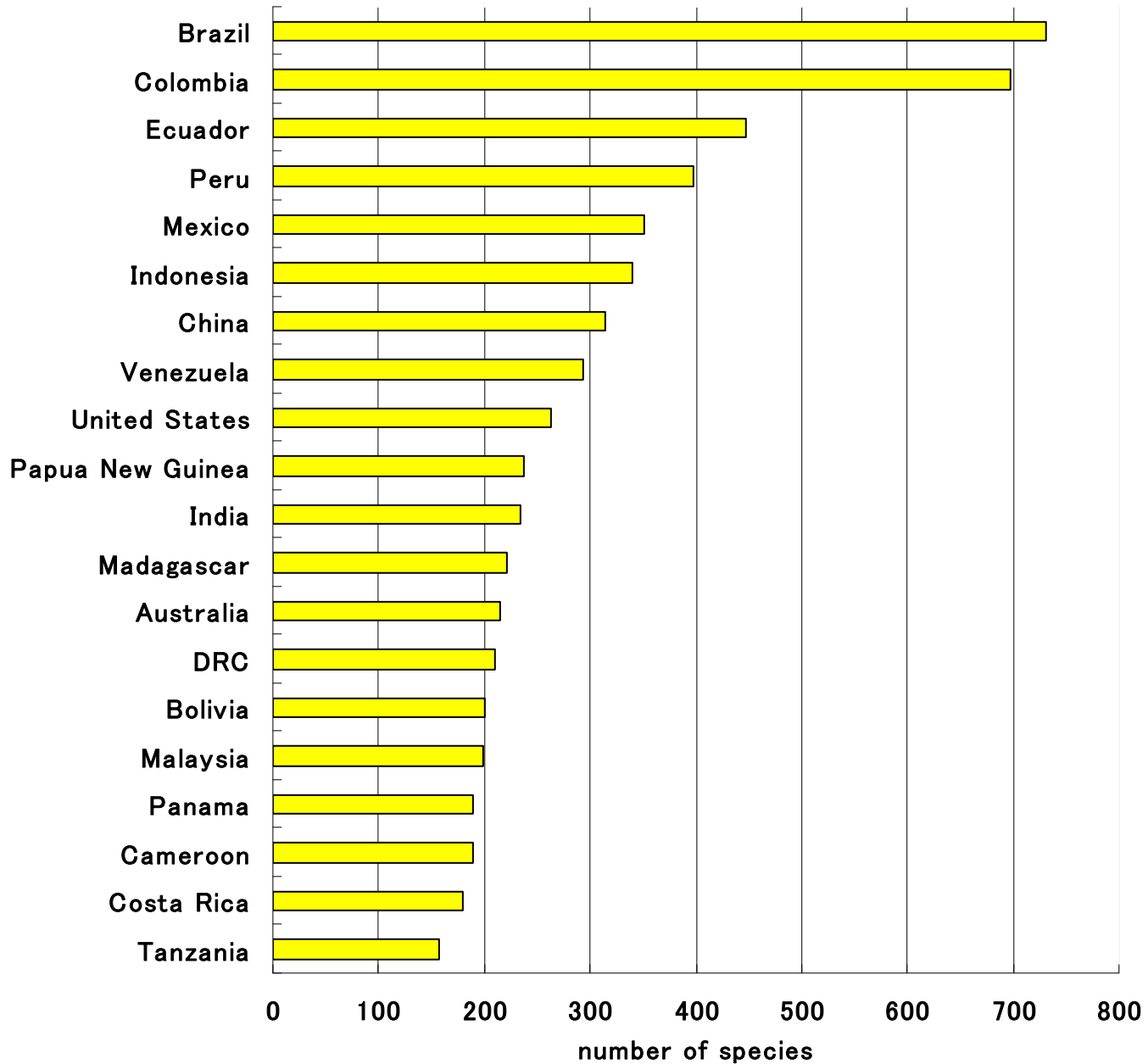
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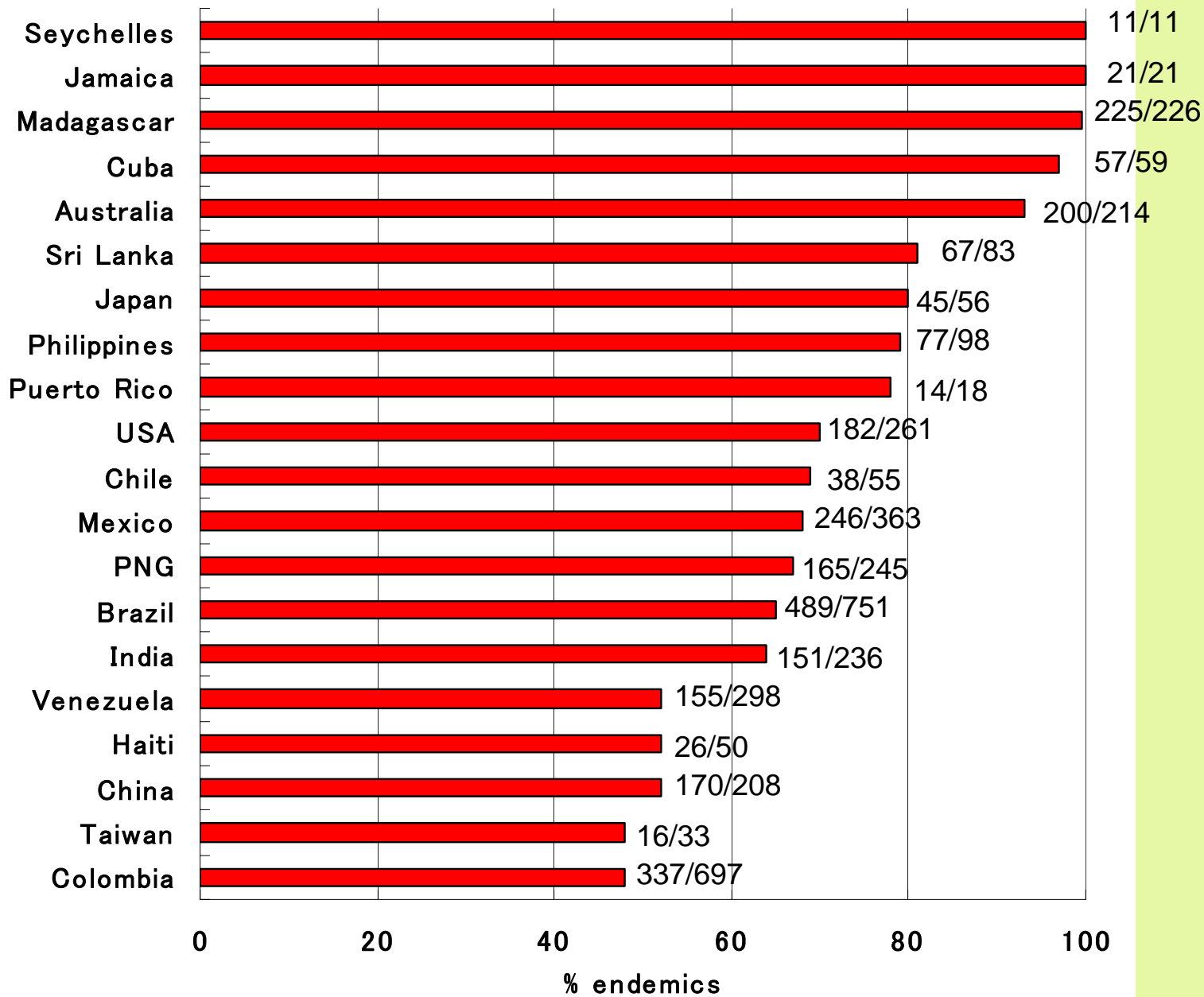
<http://www.iucnredlist.org>

Stuart, S. et al. (2008) Threatened Amphibians of the World.
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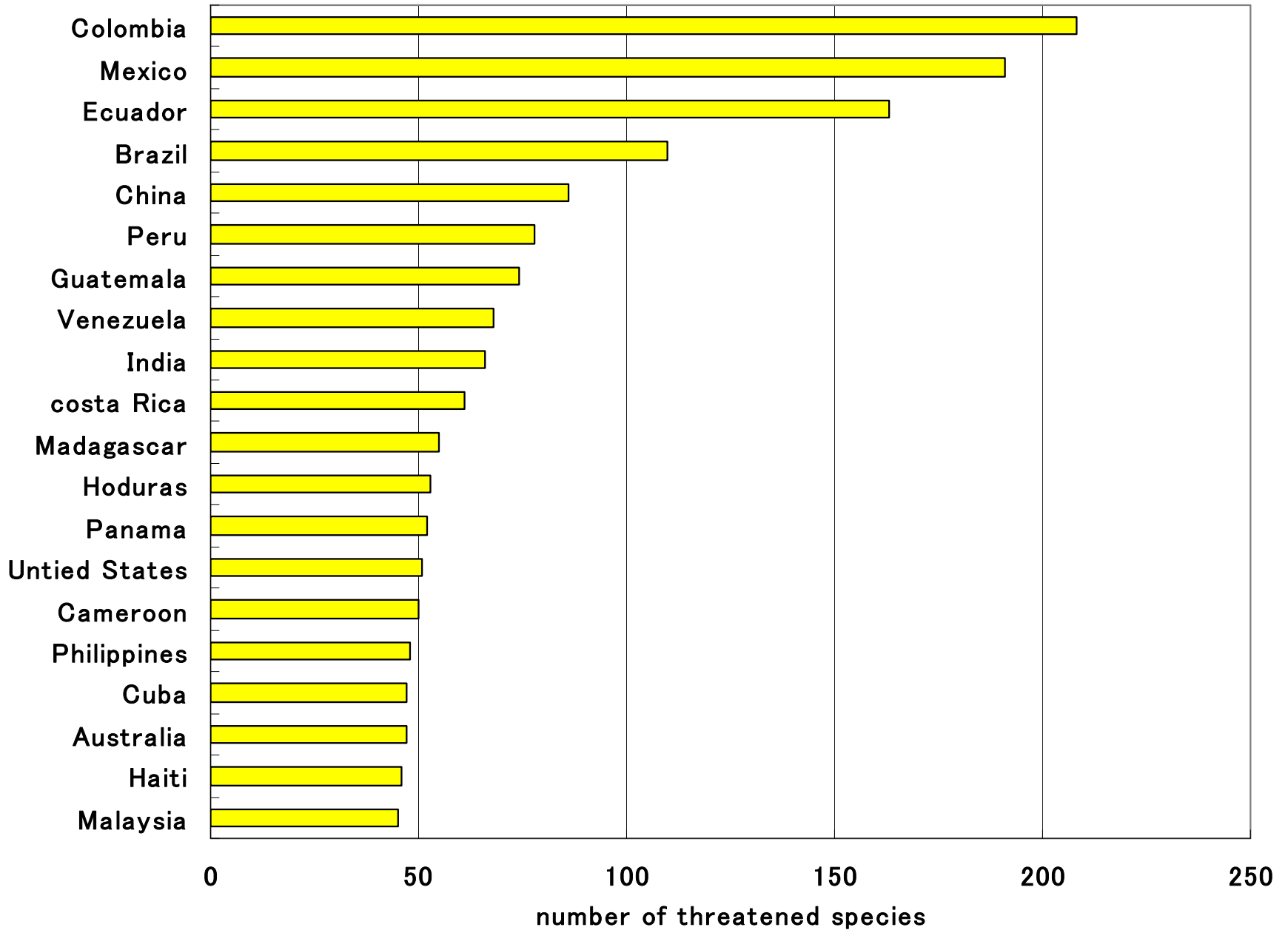
Countries with the most amphibians



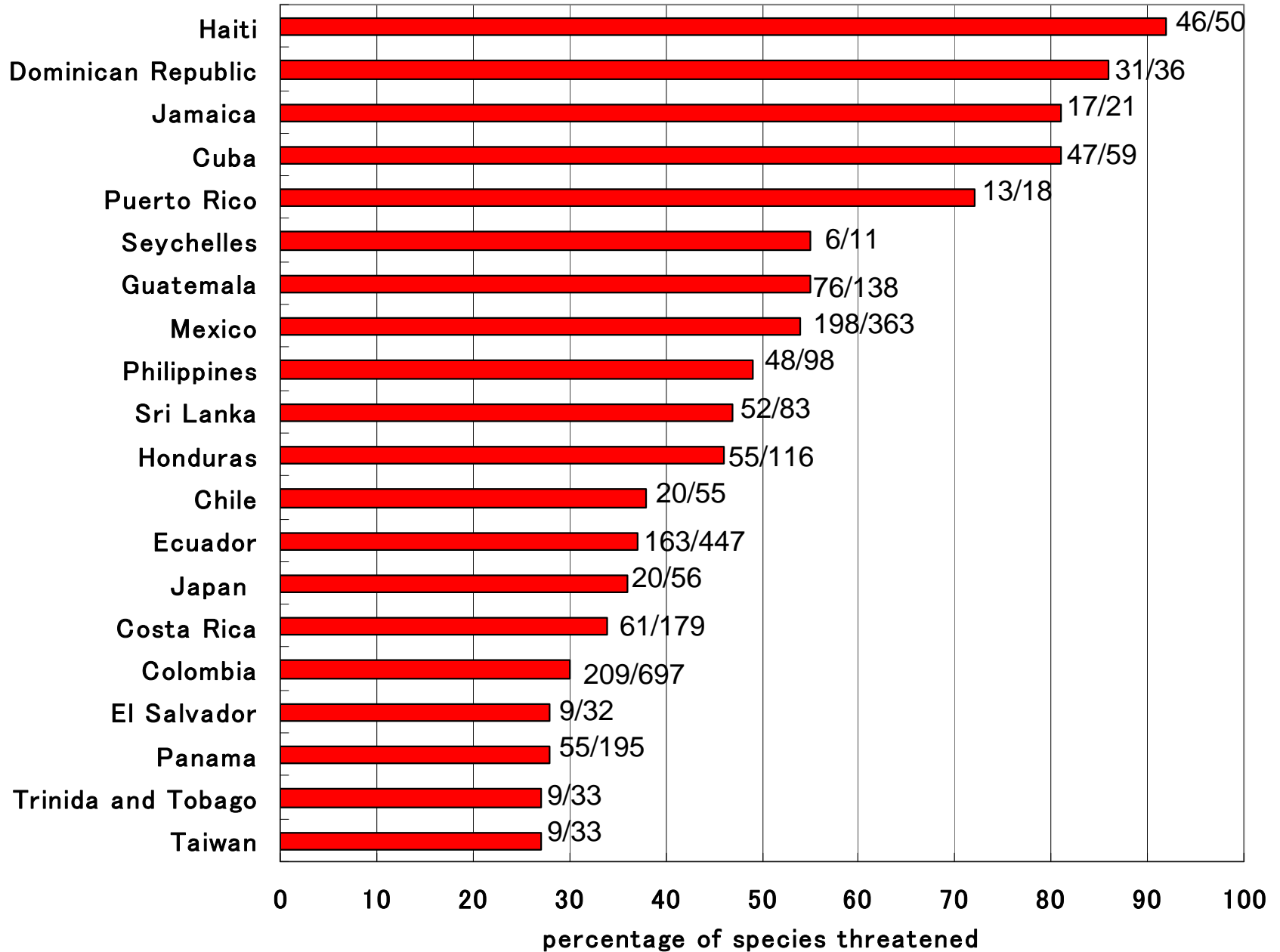
Percentage of endemic amphibian species



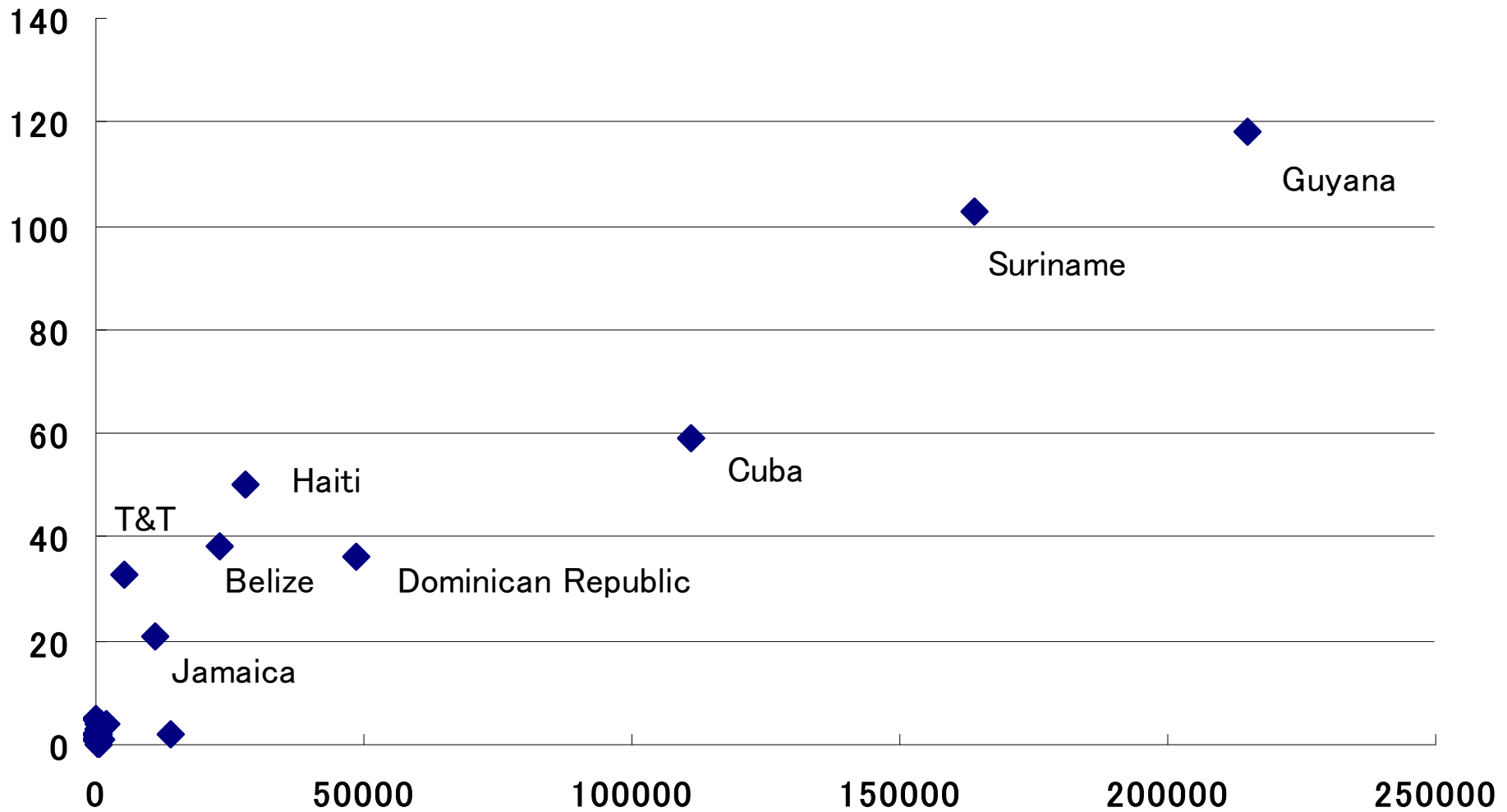
Countries with the most threatened amphibians



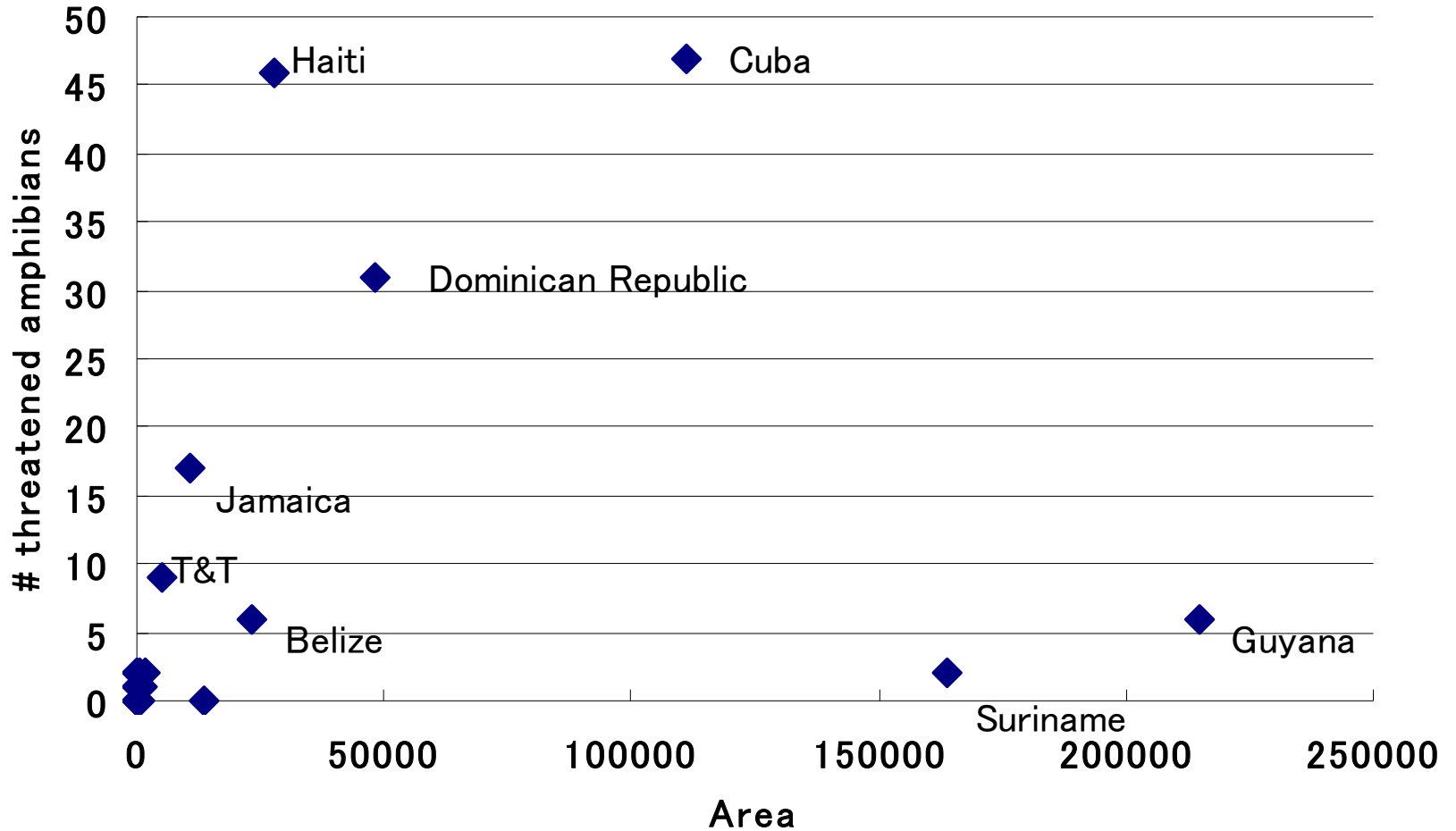
Countries with the highest percentage of threatened amphibians



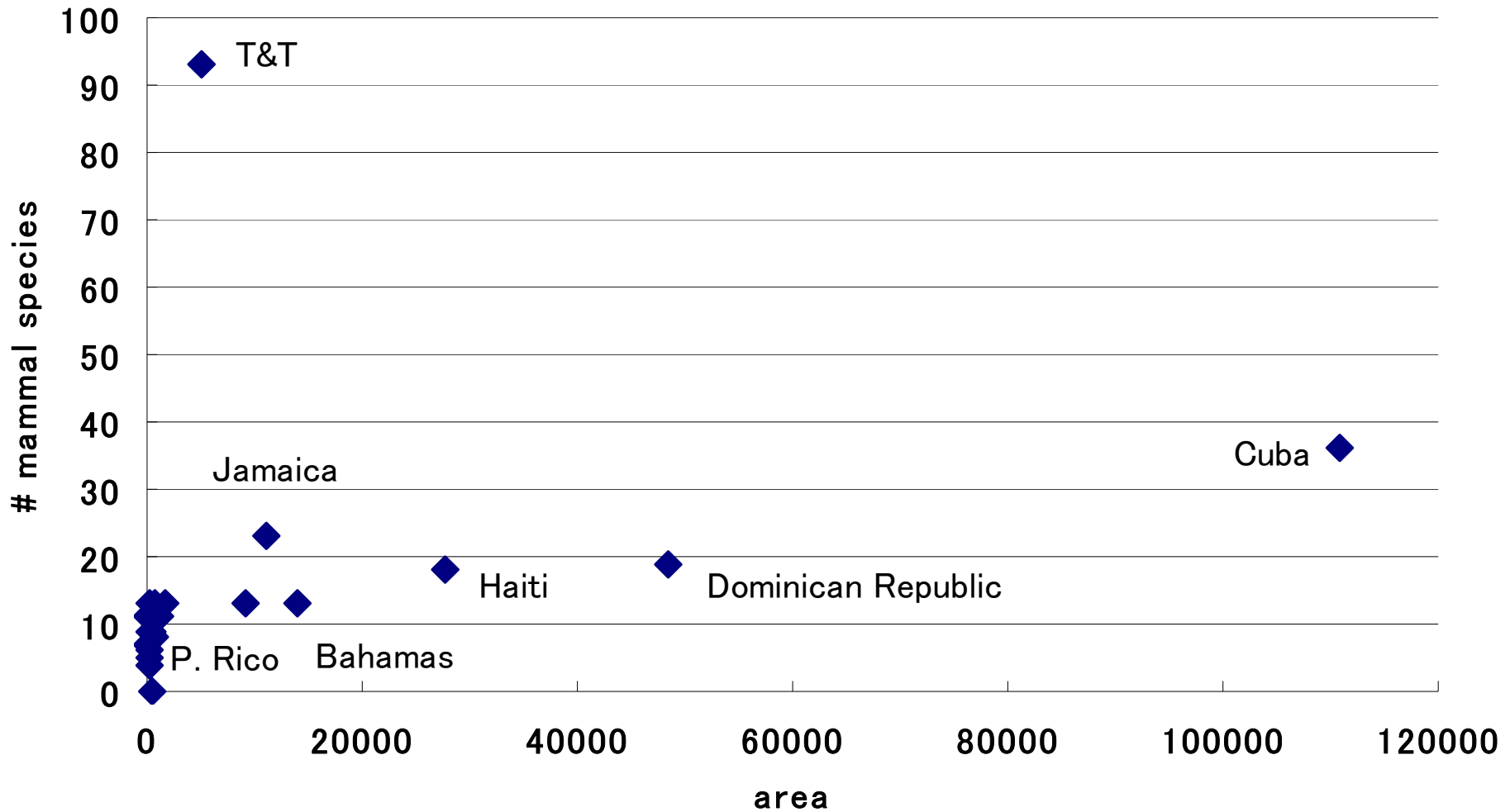
Relationship between area (km²) and # amphibian species



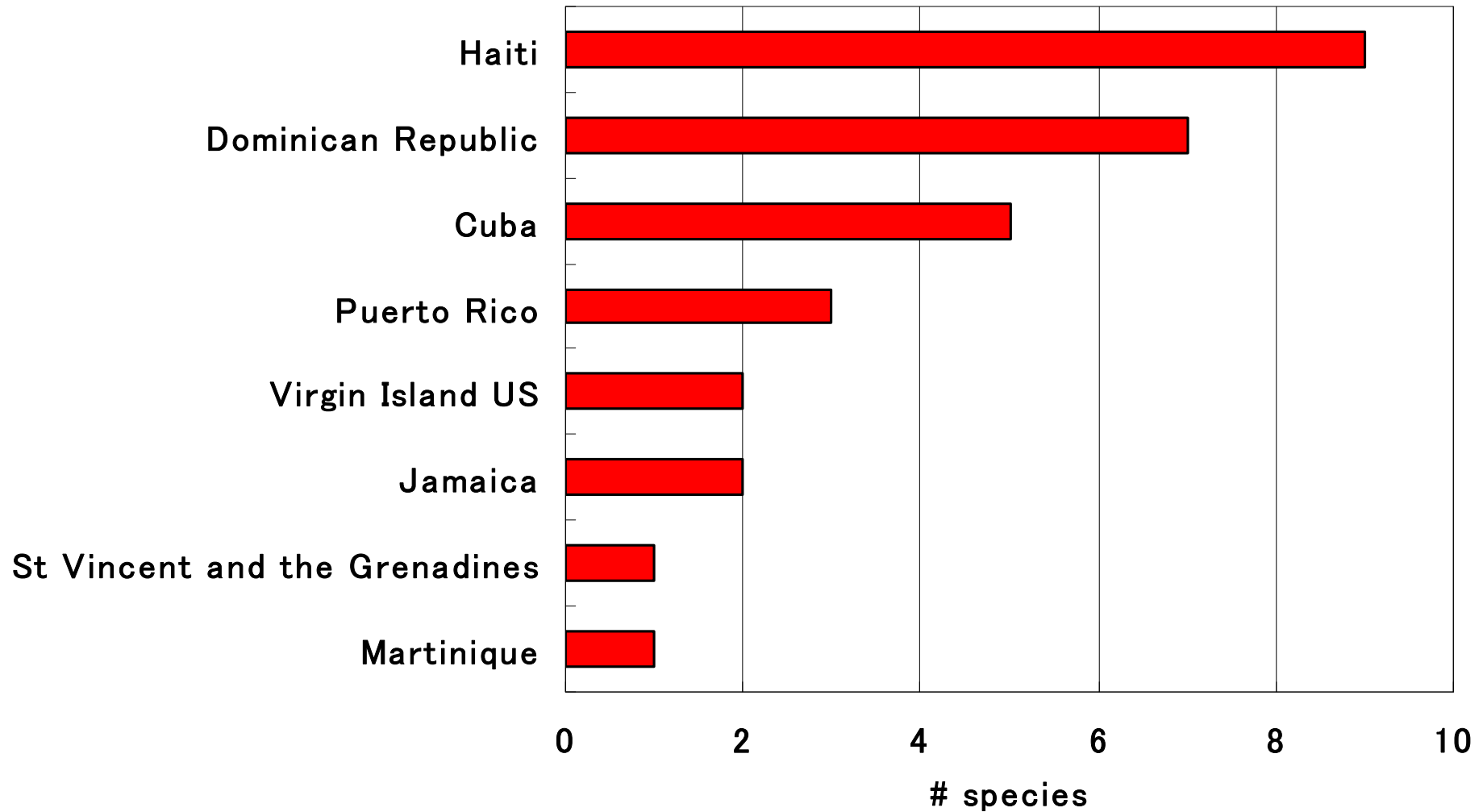
Relationship between area (km²) and # threatened amphibian species



Relationship between area and # mammal species



The number of mammal species extinct from the Caribbeans



Major threats to amphibians

Habitat loss

Invasive species

Pollution

Case of Japan

Ogasawara Islands

Ryukyu Islands

Conclusions

- Though Japan is located in sub-tropical and temperate regions, many similarities found between Japan and the Caribbeans.
- Greater Antilles vs. JP four main islands.
- Lesser Antilles vs. Ryukyu and Ogasawara.
- From a conservation point of view, we are facing common problems.
- Opportunities expected for close collaboration between the Caribbeans and Japan.